



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of: )  
 ) Before the Examiner  
 Bary W. Wilson et al. ) Marthe Marc-Coleman  
 )  
 Application No. 10/643,637 )  
 ) Group Art Unit 3661  
 Filed: August 19, 2003 )  
 )  
 DIAGNOSTICS/PROGNOSTICS ) September 28, 2004  
 USING WIRELESS LINKS )

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on **September 28, 2004**

**Matthew R. Schantz**

Registered Representative

*Matthew R. Schantz*  
 Signature

**September 28, 2004**

Date of Signature

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

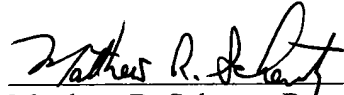
Sir:

Pursuant to the duty of disclosure in accordance with 37 CFR § 1.56, Applicants wish to bring to the attention of the Examiner the items of information listed on the enclosed Information Disclosure Citation Form. This information has not been previously submitted in this application, and has not been cited previously by the Examiner.

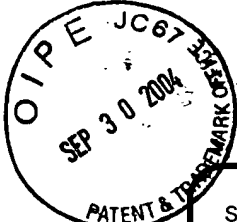
The references cited in the enclosed substitute Form SB/08 were cited in application 10/188,469, which is assigned to the assignee of this application. Because of the similar art discussed in these applications, and in an abundance of caution, a Request for Continued Examination (RCE) is being filed so that the references can also be cited in this case. It is believed that a fee of \$180.00 is due under 37 CFR § 1.17(p) for the submission of this Statement, and that a fee of \$385.00 is due under 37 CFR § 1.17(e) for

the RCE. These fees are paid by credit card per the enclosed forms. Should any additional fee be required, please charge Deposit Account No. 23-3030, but not to include any payment of issue fees.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Matthew R. Schantz", is written over a horizontal line.

Matthew R. Schantz, Reg. No. 40,800  
Woodard, Emhardt, Moriarty,  
McNett & Henry LLP  
111 Monument Circle, Suite 3700  
Indianapolis, Indiana 46204-5137  
(317) 634-3456



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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 14

**Complete if Known**

Application Number	10/643,637
Filing Date	August 19, 2003
First Named Inventor	Bary W. WILSON et al.
Group Art Unit	3661
Examiner Name	Marthe Marc-Coleman
Attorney Docket Number	50005-148 / BAT-022-CON / 12898-B

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		5,005,142	04/02/1991	Lipchak et al.	
		5,176,358	01/05/1993	Boone et al.	
		5,218,440	06/08/1993	Mathur	
		5,276,770	01/04/1994	Castelaz	
		5,416,711	05/16/1995	Gran et al.	
		5,511,553	04/30/1996	Segalowitz	
		5,537,511	07/16/1996	DeAngelis et al.	
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		5,761,090	06/02/1998	Gross et al.	
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		5,851,489	12/22/1998	Wolf et al.	
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		5,892,441	04/06/1999	Woolley et al	
		US Pub 2001/0013026	08/09/2001	Shaffer	
		US Pub 2001/0041366	11/15/2001	Lewis	
		US Pub 2002/0000916	01/03/2002	Richards	

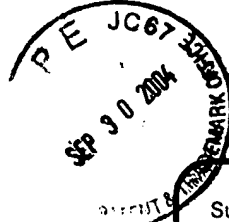
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/643,637		
		Filing Date	February 19, 2003		
		First Named Inventor	Bary W. WILSON et al.		
		Group Art Unit	3661		
		Examiner Name	Marthe Marc-Coleman		
Sheet	2	of	14	Attorney Docket Number	50005-148 / BAT-022-CON / 12898-B

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		5,937,202	08/10/1999	Crosetto	
		5,957,854	09/28/1999	Besson et al.	
		6,028,293	02/22/2000	Nagle et al.	
		6,088,785	07/11/2000	Hudson et al.	
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		3,961,323	06/01/1996	Hartkorn	

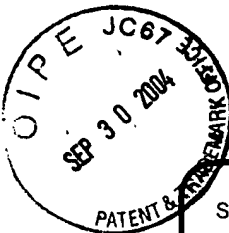
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	Group Art Unit	3661
	Examiner Name	Marthe Marc-Coleman
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		Number-Kind Code <sup>2</sup> (if known)			
		5,528,228	06/18/1996	Wilk	
		5,565,858	10/15/1996	Guthrie	
		5,917,433	06/29/1999	Keillor et al.	
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		5,513,098	04/30/1996	Spall et al.	
		5,566,270	10/15/1996	Albesano et al.	
		5,761,386	06/02/1998	Lawrence et al.	
		5,956,702	09/21/1999	Matsuoka et al.	
		6,092,018	07/18/2000	Puskorius et al.	

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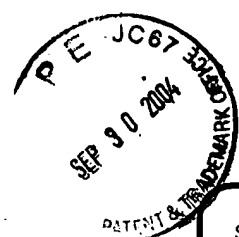
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Sheet 5 of 14

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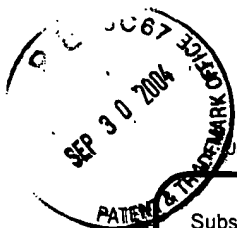
**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published	T <sup>2</sup>
		Michael Lind, "Application Specific Intelligent Microsensor (ASIM)", Battelle Presentation, October 30, 2000.	
		Michael Ross, James E. Segars, William Cummings, Ravishanke V. Gampa, "Methods for Shipping Freight", U.S. Patent Publication, Nov. 15, 2001	
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		G. William Nickerson and Richard W. Lally, "An Intelligent Component Health Monitoring System: A Building Block For A Distributed Approach to Machinery Health Assessment," Oceana Sensor Technologies, Inc. ((Dated at least as early as June 2001).	
		Dr. Sri Kumar, "Sensor Information Technology", DARPA ITO Information Technology Office (Dated at least as early as June 2001).	
		Michael G. Corr and C.M. Okino, "Networking Reconfigurable Smart Sensors", Thayer School of Engineering (Dated at least as early as December 2001)	
		John C. Eidson and Stan P. Woods, "A Research Prototype of a Networked Smart Sensor System," Hewlett Packard Measurement Systems Dept. Instruments and Photonics Laboratory, August 1995.	
		C. Cretu, J.H. Correia, S.H. King, M. Bartek and R.F. Wolffenbuttel, "Flexible Architecture for Microinstrumentation Systems in Silicon", Delft University, Netherlands (Dated at least as early as December 2001.	
		Ronald J.W.T. Tangelder, Guido Diemel, Hans G. Kerkhoff, "Smart Sensor System Application: An Integrated Compas", MESA Research Institute, 1997.	
		Andrew Mason, Navid Yazdi, Abhueet V. Chavan, Khalil Najafi, Kensall D. Wise, "A Generic Multielement Microsystem for Portable Wireless Application," Proceedings of the IEEE, Vol. 86, No. 5, August 1988.	
		Henry Baltes, Oliver Paul and Oliver Brand, "Micromachined Thermally Based CMOS Microsensors," Proceedings of the IEEE, Vol. 86, No. 8, August 1998.	
		Steve Smith, Mark Buckner and Mike Moore, "Presentation: Distributed Synchronous Multidrop Systems - Proposed Concept IEEE 1451.3 Standard," IEEE P1451.3/4/ October 23-24, 1998 meeting.	

Examiner

Date Considered

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First Named Inventor	Bary W. WILSON et al.
Group Art Unit	3661
Examiner Name	Marthe Marc-Coleman
Attorney Docket Number	50005-148 / BAT-22-CON / 12898-B

Sheet 6 of 14

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published	T <sup>2</sup>
		Oceana Sensor Technologies, " <u>Oceana Sensor Technologies announces the release of ICHM™ 2000 - Distributed processor for Machinery Health Monitoring,</u> " September 13, 2000.	
		Jeffrey Hightower and Gaetano Borriello, " <u>Location Sensing Techniques,</u> " University of Washington, pages 57-66, July 30, 2001.	
		Nirupama Bulusu, John Heidemann, Deborah Estrin, " <u>GPS-less Low Cost Outdoor Localization for Very Small Devices,</u> " University of Southern California/Information Science Institute, 2000.	
		Jeffrey Hightower and Gaetano Borriello, " <u>Location Systems for Ubiquitous Computing,</u> " University of Washington, Computer Science and Engineering, August 24, 2001.	
		Birgit Kreller and Jens Hartman, " <u>The Field Trial Scenario of an Inter-Modal, End-to-End And Real-Time Tracking and Tracing System,</u> " At least as early as Dec. 2001.	
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		J.H. Correia, E. Cretu, M. Bartek and R.F. Wolffenbuttel, " <u>A Low-Power Low-Voltage Digital Bus Interface for MCM-Based Microsystems,</u> " Delft University of Technology, (Dated at least as early as December 2001).	
		Wai-Chi Fang, Guang Yang, Bedabrata Pain and Bing J. Sheu, " <u>A Low Power Smart Vision System on Active Pixel Sensor Integrated with programmable Neural Processor,</u> " IEEE Conference on Computer Design, October 1997.	
		Carla Ellis, Alvin Lebeck and Amin Vahdat, " <u>System Support for Energy Management in Mobile and Embedded Workloads: A White Paper,</u> " Department of Computer Science, Duke University, October 1999.	
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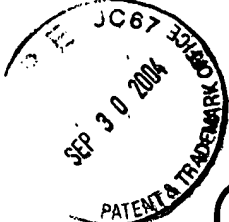
## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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		4,283,031	08/11/1981	Finch	
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		5,333,125	07/26/1994	Yamamoto	

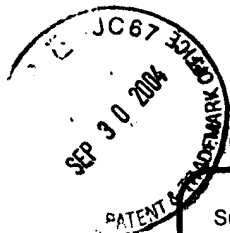
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		EP 0 450 829 A1	10/09/1991	Tarrant		
		EP 0 511 807 A1	11/04/1992	Baker et al.		
		EP 0 733 880 A1	09/25/1996	Slemon et al.		
		GB 2 342 998 A1	04/26/2000	Hunt		

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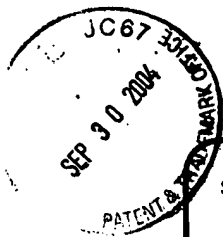
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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Application Number	10/643,637
Filing Date	August 19, 2003
First Named Inventor	Bary W. WILSON et al.
Group Art Unit	3661
Examiner Name	Marthe Marc-Coleman
Attorney Docket Number	50005-148
Sheet	10 of 14

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
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Application Number 10/643,637

Filing Date August 19, 2003

First Named Inventor Bary W. WILSON et al.

Group Art Unit 3661

Examiner Name Marthe Marc-Coleman

Attorney Docket Number 50005-148

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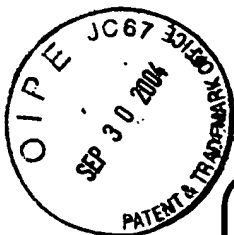
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Group Art Unit	3661
Examiner Name	Marthe Marc-Coleman
Attorney Docket Number	50005-148

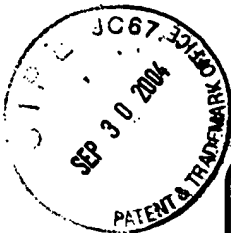
**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examine r Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published	T <sup>2</sup>
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